|                       |             |               |           |          |          |           |          |              |         |                   |            |          |          | 10/716,490   |                   |          |          |                 |           |                        |            | WU, CHIH-MING   |            |                    |                    |           |          |              |   |
|-----------------------|-------------|---------------|-----------|----------|----------|-----------|----------|--------------|---------|-------------------|------------|----------|----------|--------------|-------------------|----------|----------|-----------------|-----------|------------------------|------------|-----------------|------------|--------------------|--------------------|-----------|----------|--------------|---|
|                       |             |               |           |          |          |           |          |              |         |                   |            |          | Examiner |              |                   |          |          |                 |           |                        | Art Unit   |                 |            |                    |                    |           |          |              |   |
|                       |             |               |           |          |          |           |          |              |         |                   |            |          |          | Dmitry Suhol |                   |          |          |                 |           |                        |            |                 |            |                    |                    |           |          |              |   |
|                       |             |               |           |          |          |           |          |              |         |                   |            |          | ַ        |              |                   |          |          |                 |           |                        |            | 37              | 12         |                    |                    |           |          |              |   |
|                       |             |               | _         |          |          |           | _        |              | _       |                   |            |          |          |              |                   | г        | _        |                 |           |                        | 1          |                 |            |                    |                    |           | _        |              |   |
| √ Rejected – (Through |             |               |           |          |          |           |          |              |         | ıgh n             | ume        | )        |          |              | Non-              | -Elec    | ted      | ed .            |           |                        | Appeal     |                 |            |                    |                    |           |          |              |   |
|                       |             |               |           |          |          |           |          |              | L       | 1                 | Cancelled  |          |          |              |                   |          |          |                 |           |                        | Α          |                 |            |                    |                    |           |          |              |   |
|                       |             |               |           |          | Allowed  |           |          |              | .       |                   | Restricted |          |          |              |                   |          | ı        | Interference    |           |                        |            | o               | . Objected |                    |                    |           |          |              |   |
|                       | = Allowed ÷ |               |           |          |          |           |          |              |         |                   |            |          |          |              |                   |          |          | Ш               | 0.5,00.00 |                        |            |                 |            |                    |                    |           |          |              |   |
|                       | Claim Date  |               |           |          |          |           |          |              |         | Claim             |            |          |          |              | ate               |          |          | _               | Claim     |                        |            | Date            |            |                    |                    |           |          | 1            |   |
|                       |             |               |           |          |          |           |          | Т            | П       |                   |            |          | Т        | ΤĬ           | T                 | Т        | $\top$   |                 |           |                        | П          |                 | T          |                    | Ī                  | Т         | Т        |              |   |
|                       | Final       | Original      | 7/1/04    |          | - 1      |           |          |              |         |                   | Final      | Original |          |              |                   |          | Ì        |                 |           | Final                  | Original   |                 |            |                    |                    |           |          |              |   |
|                       | 证           | ō             | 11        |          | -        |           |          |              | İ       |                   | Œ          | Ö        |          |              |                   |          |          |                 |           | ፲፫                     | Ö          |                 |            |                    |                    |           |          |              |   |
|                       |             | 1             | 1         |          | $\dashv$ | $\dashv$  | _        | +            | +       | $\forall$         | <b>-</b>   | 51       |          | +            | ++                | $\dashv$ | _        | +++             | $\dashv$  |                        | 101        | $\vdash$        | +          | T                  |                    |           |          |              | j |
|                       |             | 2             | 1         |          | $\Box$   |           | 4        | 4            | $\perp$ | $\Box$            |            | 52       |          | $\bot$       | $\square$         | $\Box$   | _        | $\Box$          |           |                        | 102        |                 |            | $oldsymbol{\perp}$ |                    | _         | $\perp$  | $\bot$       |   |
|                       |             | 3             | 7         |          | $\dashv$ | $\dashv$  | -        | +            | +       | H                 | -          | 53<br>54 |          | +            | ++                | $\dashv$ | +        | +               | $\dashv$  | <u> </u>               | 103<br>104 | $\vdash \vdash$ | +          | ╁                  | $\vdash$           | -         | +        | +            |   |
|                       |             | 5             | 1         |          | $\dashv$ | -         |          | +            | +       | +                 | -          | 55       | $\vdash$ | $\top$       | H                 | $\dashv$ | $\dashv$ | $\dashv \dashv$ | $\dashv$  |                        | 105        | $\vdash$        | _          | 十                  | $\vdash$           | 7         | -        |              | ĺ |
|                       |             | 6             | 1         |          |          |           |          | 1            | 1       | П                 |            | 56       |          |              | П                 |          |          |                 |           |                        | 106        |                 |            |                    |                    |           |          |              | Į |
|                       |             | 7             | 1         |          | $\dashv$ | 4         |          | +            | +       | $\sqcup$          |            | 57<br>58 | -        |              | $\vdash$          | 4        | -        | $\dashv$        | _         |                        | 107<br>108 | $\vdash \vdash$ | +          | ┼                  |                    | $\dashv$  | +        | +            |   |
|                       |             | <u>8</u><br>9 | 7         | $\vdash$ | $\dashv$ | $\dashv$  | +        | +            | +       | +                 | -          | 59       | +        | +            | +                 | $\dashv$ |          | +               | $\dashv$  |                        | 108        | $\vdash +$      | +          | +                  | $\vdash$           | -+        | +        | +            |   |
|                       |             | 10            | 1         |          | $\neg$   | 寸         | 1        | 十            | +       | $\Box$            |            | 60       |          | $\top$       | $\dagger \dagger$ | 7        | $\top$   | $\dashv \dashv$ |           |                        | 110        |                 |            |                    |                    |           |          | $\Box$       |   |
|                       |             | 11            | 1         |          |          | $\Box$    | $\Box$   | $\perp$      | $\perp$ | $\Box$            |            | 61       | $\Box$   | $\bot$       | Ш                 | $\Box$   | $\Box$   |                 |           |                        | 111        | П               |            |                    |                    | $\Box$    |          | $\perp$      |   |
|                       | -           | 12<br>13      | 7         |          |          | +         | +        |              | +       | Н                 | <u> </u>   | 62<br>63 | +        | +            | +                 | $\dashv$ | -        | +               |           |                        | 112<br>113 | $\vdash$        | +          | +                  | $\left  - \right $ | $\dashv$  |          | +            | 1 |
|                       |             | 14            | Ť         |          | $\dashv$ | 寸         | $\dashv$ | +            | ╁       | $\vdash$          |            | 64       | +        | ╅            | +                 | $\dashv$ | $\dashv$ | +               | $\dashv$  |                        | 114        | $\vdash$        | +-         | +                  | H                  | $\dashv$  | +        | +            |   |
|                       |             | 15            |           |          |          |           |          |              |         |                   |            | 65       |          |              | П                 |          |          |                 |           |                        | 115        |                 |            |                    |                    | 口         |          | $oxed{\Box}$ |   |
|                       |             | 16            | Щ         | 4        | -+       | 4         | +        | -            | -       | +                 |            | 66<br>67 | $\perp$  | +            | Н                 | 4        | $\dashv$ | $\dashv$        | _         |                        | 116<br>117 | Н               | +          |                    | $\square$          | -         |          | ┼            |   |
|                       |             | 17<br>18      |           |          |          | +         | +        | +            | +       | +                 |            | 68       | +        | +-           | ++                | $\dashv$ | $\dashv$ | +               | -         |                        | 118        | $\vdash$        |            | +                  | $\vdash$           | -         | +        | +            |   |
|                       |             | 19            |           |          | 寸        | $\exists$ |          |              |         |                   |            | 69       |          |              |                   |          |          | 77              |           |                        | 119        |                 |            |                    |                    | 寸         |          |              |   |
|                       |             | 20            |           |          |          |           |          |              | $\perp$ |                   |            | 70       |          |              | П                 | $\Box$   | $\Box$   |                 |           |                        | 120        | Щ               |            |                    |                    |           | $\perp$  |              |   |
|                       |             | 21<br>22      |           |          | $\dashv$ | +         | +        |              | ╀       | $\vdash$          |            | 71<br>72 | -        |              | $\vdash$          | $\dashv$ | $\dashv$ |                 |           |                        | 121<br>122 | $\vdash$        | +          | +                  |                    | -+        | -        | +            |   |
|                       |             | 23            |           | -        | -+       | $\dashv$  | +        | +            | +       | H                 |            | 73       | +        | +-           | +                 | +        | $\dashv$ | +               | -         |                        | 123        | H               |            | $\dagger$          | $\vdash$           | _         | +        | +            |   |
|                       |             | 24            |           |          |          |           |          |              |         |                   |            | 74       |          |              | Ш                 |          |          |                 |           |                        | 124        |                 |            |                    |                    |           |          |              |   |
|                       |             | 25            |           |          | _        | -1        | 4        | 4            | - -     | $\perp$           |            | 75       | $\perp$  | _            | $\sqcup$          | 4        | 4        |                 |           |                        | 125        | $\sqcup$        | _          | _                  | Ш                  | _         | _        | 1            |   |
| :                     |             | 26<br>27      |           | $\dashv$ | -+       | $\dashv$  | $\dashv$ | +            | ╬       | ╂╢                |            | 76<br>77 | +        | +            | $\vdash$          | +        | $\dashv$ | +               | $\dashv$  |                        | 126<br>127 | -               | +          | +                  | $\vdash \vdash$    | $\dashv$  | +        | +            | - |
|                       |             | 28            |           | $\dashv$ | 寸        | 寸         | _        | _            | 十       | +                 |            | 78       | $\top$   | +            | $\sqcap$          | ┪        | $\dashv$ | $\dashv$        |           |                        | 128        | H               | +          |                    | Н                  | 寸         | +        |              |   |
|                       |             | 29            |           | $\Box$   | $\Box$   | $\prod$   | $\Box$   | $\Box$       | $\perp$ |                   |            | 79       |          | I            | П                 | $\Box$   | $\Box$   |                 | ]         |                        | 129        |                 |            |                    |                    |           |          | $\perp$      |   |
|                       |             | 30<br>31      | -         | $\dashv$ |          | +         | -        | +            | +       | H                 |            | 80<br>81 | +        | +            | $\vdash$          | -        | -        | $\dashv$        |           |                        | 130<br>131 | H               |            | +                  | H                  | -         | +        | +            |   |
|                       |             | 32            |           |          | 十        | $\dashv$  | 十        | +            | +       | $\forall$         |            | 82       | +        | +-           | $\vdash$          | 寸        | 十        | +-              | -         |                        | 132        | $\vdash$        | _          |                    | Н                  | 寸         | $\top$   | +            |   |
|                       |             | 33            |           |          |          |           |          |              |         |                   |            | 83       |          |              |                   |          |          |                 |           |                        | 133        |                 |            |                    |                    |           |          |              |   |
|                       |             | 34            | _         | $\dashv$ | 4        | 4         | 4        | _            |         | $\dashv$          | <u> </u>   | 84       | _        | - -          | $\vdash$          | 4        | _        | $\perp$         | _         |                        | 134        | $\square$       | _          |                    |                    | -         | -        | 4-4          |   |
|                       |             | 35<br>36      | -         | $\dashv$ | $\dashv$ | $\dashv$  | +        | +            | +       | +                 |            | 85<br>86 | +        | +            | ╁┼                | $\dashv$ | $\dashv$ | +               | $\dashv$  |                        | 135<br>136 | Н               | +          | +                  | $\vdash$           |           |          | +-           |   |
|                       |             | 37            |           |          | $\dashv$ | $\top$    | $\top$   | $\top$       | $\top$  | $\Box$            |            | 87       |          | +            |                   | 7        | $\top$   | $\dashv \dashv$ | -         |                        | 137        | Ħ               |            |                    |                    | $\exists$ |          |              |   |
|                       |             | 38            |           |          | 4        | $\dashv$  | 4        | 4            | $\bot$  | Ш                 |            | 88       | _        |              | Ш                 | 4        | $\dashv$ | $\Box$          |           |                        | 138        |                 | 4          |                    | Ш                  | _         |          |              |   |
|                       |             | 39<br>40      | _         |          | $\dashv$ | $\dashv$  | +        | +            | +-      | ++                |            | 89<br>90 | -+       | +-           | $\vdash$          | $\dashv$ | $\dashv$ | $\dashv$        | _         |                        | 139<br>140 | $\vdash$        | +          | +                  | $\vdash$           | +         | +        | +            |   |
|                       |             | 41            | $\dashv$  |          | $\dashv$ | $\dashv$  | +        | +            | +       | $\forall \exists$ |            | 91       | +        | +            | +                 | $\dashv$ | +        | <del>- - </del> | $\dashv$  | $\vdash \vdash \vdash$ | 141        | $\vdash$        | _+-        |                    | H                  | $\dashv$  | _        | $\top$       |   |
|                       |             | 42            |           |          | $\Box$   | $\exists$ |          | $\downarrow$ |         | 口                 |            | 92       | $\perp$  |              | П                 | $\Box$   | $\Box$   | $\Box$          |           |                        | 142        |                 |            |                    |                    | $\Box$    |          | П            |   |
|                       |             | 43<br>44      | -         | $\dashv$ | $\dashv$ | 4         | +        | +            |         | +                 |            | 93<br>94 |          | +            | $\dashv$          | 4        | $\dashv$ |                 |           | $\vdash\vdash$         | 143<br>144 | $\vdash \vdash$ | +          | +-                 | $\vdash$           | $\dashv$  | +        | +            |   |
|                       |             | 45            | $\dashv$  |          | $\dashv$ | 十         | 十        | +            | +       | ╁┤                |            | 95       | +        | +            | ++                | +        | +        | +               | $\dashv$  |                        | 145        | $\dashv$        | $\dashv$   | +                  | H                  | $\dashv$  | $\dashv$ | $\forall$    |   |
|                       |             | 46            |           |          |          |           |          |              | 上       | 口                 |            | 96       |          |              | П                 | ╛        | <u>コ</u> |                 | ゴ         |                        | 146        |                 | 上          |                    |                    | コ         |          |              |   |
|                       |             | 47            | $\exists$ | $\Box$   | 4        | 1         | $\perp$  | $\bot$       | $\perp$ | $\Box$            |            | 97       | $\perp$  | 4            | $\Box$            | 4        | $\dashv$ | $\bot$          | _         |                        | 147        | $\Box$          | $\Box$     |                    |                    | 1         | $\perp$  | $\Box$       | ĺ |
|                       | -           | 48<br>49      | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  | +        | +            | +       | +                 | -          | 98<br>99 | +        | +            | ╁┼                | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$  | $\vdash$               | 148<br>149 | $\vdash$        | +          | +                  | $\vdash \vdash$    | $\dashv$  | -        | +            |   |
|                       |             | 50            |           |          | _        | _         | $^{+}$   | _            | _       | $\square$         |            | 100      | $\top$   | _            |                   | _        | _        | +               | _         | -                      | 150        |                 | _†-        |                    |                    | +         | -        | $\forall$    |   |
|                       |             |               |           |          |          |           |          |              |         |                   | •          |          |          |              |                   |          |          |                 |           |                        |            |                 |            |                    |                    |           |          |              |   |

Application No.

Applicant(s)